SPTECH Silicon PNP Power Transistor

2SB688

DESCRIPTION

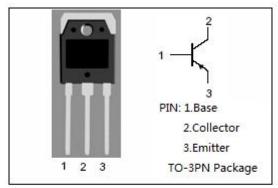
- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= -120V(Min)
- Good Linearity of h_{FE}
- Complement to Type 2SD718

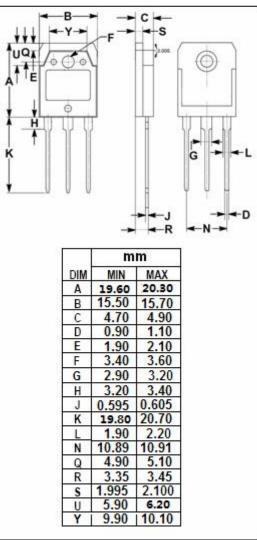
APPLICATIONS

- · Audio frequency power amplifier applications
- Recommend for 45-50W audio frequency amplifier output stage applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	-120 V	
V _{CEO}	Collector-Emitter Voltage	-120	V
V _{EBO}	Emitter-Base Voltage -5		V
Ic	Collector Current-Continuous	-8	А
I _B	Base Current-Continuous	-0.8	А
Pc	Collector Power Dissipation @ T _C =25℃	80	W
Тл	Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature Range	-55~150 °C	





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ELECTRICAL CHARACTERISTICS

 T_{C} =25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -50mA ; I _B = 0	-120			V
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -5.0A; I _B = -0.5A			-2.5	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = -5A ; V _{CE} = -5V			-1.5	V
І _{СВО}	Collector Cutoff Current	V _{CB} = -120V ; I _E = 0			-10	μА
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-10	μА
h _{FE}	DC Current Gain	I _C = -1A; V _{CE} = -5V	55		160	
Сов	Output Capacitance	I _E = 0; V _{CB} = -10V; f _{test} = 1.0MHz		280		pF
f⊤	Current-Gain—Bandwidth Product	I _C =-1A ; V _{CE} = -5V		10		MHz

♦ h_{FE} Classifications

R	0
55-110	80-160

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